

2014 Annual Green Tier Report

Summary

Fairmount Santrol (formerly Fairmount Minerals), with headquarters in Chesterland, Ohio, was founded in 1978. The company has operated in Wisconsin since 1996. Fairmount is a market-driven company with strategically located facilities in North America, Europe, and Asia, supported by a global distribution and customer support network. Aside from being one of the largest producers of industrial sand in North America, Fairmount has become a world-leading expert in the science and art of transforming sand into value-added products used for a variety of industries including oil and gas, water filtrations, foundry, glass, sports, recreation and building. Worldwide, Fairmount Santrol employs over 1,200 people, and produced and shipped more than 9.6 million tons of sand and value-added sand products in 2014. Fairmount Santrol's global operations include eleven mining and mineral processing plants and eleven manufacturing and coating facilities, three custom blending plants, five administrative offices, two research and development facilities, and 52 distribution terminals (owned, leased and/or contracted). These facilities are located in the United States, Canada, Mexico, Denmark, and China. The Northern Area Region of Fairmount Santrol operations include one mining and mineral processing operation in Minnesota (Shakopee Sand, LLC), and three operations in Wisconsin (Wisconsin Industrial Sand Company).

Mission: We, the Fairmount Santrol family, are united in our commitment to exceed all expectations while fulfilling our economic, social, and environmental responsibilities.

In 2011, the professionals that we work with at the Wisconsin Department of Natural Resources (DNR) encouraged us to consider becoming a part of the Green Tier Program. With our Environmental Management System (ISO 14001) already in place, and our existing commitment to environmental stewardship, we felt that we were a great candidate for Green Tier certification. Our three Wisconsin Industrial Sand Company (WISC) sites achieved Green Tier status on January 11, 2013. These three facilities are the first industrial sand mining operations to enter into the Wisconsin Green Tier Program.

On October 21, 2013, we applied for Green Tier I status for two subsidiary locations that were acquired in September 2013 - FML Sand, located in Oakdale and Readfield, Wisconsin. However, on September 16, 2014 Fairmount Santrol sold the Oakdale operation, after the facility was idled in early 2014. On February 25, 2015, the Readfield facility was idled. Fairmount Santrol is no longer operating at these two locations. For purposes of this report, we are including data from the Readfield

location because they were operational for all of 2014.

Environmental Management System (EMS)

Fairmount Santrols' Wisconsin Industrial Sand Company (WISC) subsidiaries have been ISO 14001 certified since 2010. WISC establishes performance goals that support the three pillars of sustainable development that we have identified as crucial to our operations - People, Planet & Prosperity. The performance goals also align with our environmental policy, and address any potential significant impacts.

Our Environmental Policy is as follows:

Fairmount Santrol, through our Sustainable Development process, will operate its business in an environmentally sensitive and responsible manner, with concern for our employees and stakeholders so that we will manage the impact of our activities on the environment.

Our Environmental Policy is to be a responsible corporate citizen in protecting the environment. We are committed to:

- *Conducting operations so as to comply with applicable local, state and federal environmental rules, regulations, and requirements*
- *Manage aspects of the operation to minimize the resulting environmental impacts (i.e. to prevent pollution, and reduce or minimize waste)*
- *Work to continually improve the environmental management system and performance of facility operations*
- *Regularly communicate our environmental policies and performance*
- *Providing for continuous review of objectives and targets*

This commitment requires employees to participate in and accept responsibility for achieving the following:

- *Reduce, reuse and recycle waste and packaging*
- *Improve the efficiency of energy use*
- *Reclaim disturbed land to a usable and productive state*

This policy will be communicated to all parties interested in the performance of our environmental management system.

Management reviews are conducted regularly at our operations, with a comprehensive management review held twice per year. On an annual basis we also conduct internal environmental compliance audits of our EMS system at each of our facilities to ensure compliance with federal, state and local regulations. Additional annual surveillance audits conducted by an external independent auditing firm, American Systems Registrar (ASR), monitor our ISO 14001 certification.

Audit Documentation

All three of our WISC facilities (Hager/Bay, Maiden Rock and Menomonie) comply with one combined ISO 14001 registration. Our application for Green Tier was submitted in 2012, and in August of 2012, ASR performed a surveillance audit that is a sample audit under our existing certificate. In August of 2013 and in August of 2014, our EMS was audited by an external auditing firm (ASR), and we were approved for recertification on both occasions.

Audit Date	Major	Minor	OFI
08/22/2012	0	2	7
08/16/2013	0	2	5

08/25/2014	0	2	4
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Our FML Sand- Readfield facility completed its Stage 1 audit for Certification on Dec 29 2014.

In addition to our external audits, the Director of Environmental, the Director of Safety & Health, the Corporate Environmental Coordinator, the Corporate Safety & Health Coordinator, the Regional Environmental Coordinators, and the Regional Safety & Health Coordinators, along with our employees in operations, regularly inspect and document their findings. Every major and minor finding that is identified has a corrective action for resolution of the issue(s) identified. At this time, all minor findings have been corrected. There were no major findings identified in the audit report (Appendix A).

Our 2015 internal audits have been scheduled for all Fairmount Santrols' industrial sand operations, along with the external audits that will be conducted by ASR.

Goal Update and Progress

2014 Goals	Hager/Bay	% Complete
100% - Continue the Find It-Fix It program; 15 per year = 100%; 20 per year = 125%. Also (for 100%): Safety Course & Drill: Complete one safety course and one safety drill (First aid training, Fire extinguisher training, Fire drill, Tornado Drill), with at least 50% participation in each. 3 or more courses/drills with 50% participation in each = 125%	10 FI-FI's identified in Q1. 7 FI-FI's identified in Q2. 7 FI-FI's identified in Q3. Hager City Emergency drill held week of 4/18 with 12 out of 20 participating (60%). Bay City Emergency drill held week of 1/25 with 17 out of 27 participating (63%). Fire Extinguisher Safety training held 7/2 with 34 out of 46 people participating (52%). Bay City Emergency drill held 10/13-10/14 with 26 out of 29 people participating (90%). 2nd Hager City drill conducted week of 11/24 with 10 out of 19 people participating (52%).	125%
100% - Coordinate and/or host SD breakfast/lunch in cooperation with local businesses or community groups to discuss and share SD practices within the community. 125% - Share highlights from meeting with other Fairmount family members via Mineral Matters or Fairmount Focus.	County & State municipal representatives on August 27. Highlights shared company-wide via EBB boards on 10/24.	125%
100% = Deliver one lunch N learn (or similar) SD message on transportation and/or Smart Growth with 25% participation. Each facility to establish baseline on railcars for their facility (car size, route and typical order size). 125% = Achieve 100% participation in the transportation message/lunch N learn. Also establish baseline geography of where everyone at the facility lives and explore opportunities for carpooling.	Transportation message presented with geographical baseline on 10/1/14. 100% participation achieved. Baseline on railcars completed in 2013.	125%

<p>100% to maintain Zero Waste; 12% monthly database input (1% per month, must be inputted by month-end to receive credit); 13% for organizing/participating in Zero Waste and/or Recycling event.</p>	<p>Adopt-A-Highway Zero Waste event on May 2, 2014. Collected 20 bags of recyclables and material that went to waste-to-energy. Zero Waste maintained for entire year, and monthly database input completed.</p>	<p>125%</p>
<p>100% = Workshop, course or activity around water as related to each location. Review management plan with plant managers and complete two items in the plan (if plan already completed). 125% = 50% participation in workshop, course or activity around water.</p>	<p>Stream restoration project completed on the Trimbelle River on April 29. Follow-up educational session on May 7. 42 out of 48 employees (88%) participated. Water project 1: Install pump in back of Tunnel 99 to pump out the water that is collecting there - water will be returned to the wash process for reuse instead of going back into the ground. Water savings = 350,000 gallons per year, based on how much water the pump is recovering (so that water doesn't need to be pulled from our high-cap well). Water project 2: Applying magnesium chloride on the new road that was installed for unit train expansion. This will reduce the need for watering the roads daily. Water savings = 10,000 gallons/week.</p>	<p>125%</p>
<p>100% = Increase the Paid Volunteer Time = Achieve average of 15 Hours per employee. 125% = Host Social Responsibility training.</p>	<p>634.25 hours PVT completed as of 12/29/14. (Target is 45 employees x 15 hours = 675 hours). SR training held on 8/13.</p>	<p>119%</p>
<p>100% = Complete two projects that contribute to GHG or energy consumption reduction. 125% = 25% participation from facility overall. (1 project = average of 1 large tree, at least 3-feet tall, or 10 whips per employee at the facility)</p>	<p>Project 1: Trimbelle River planting 4/29/14 - 1100 trees and shrubs. 13 out of 48 (27%) participated. Project 2: 11 solar lights installed in the new rail yard on 10/22. Savings if we would have installed regular lights = \$154 energy savings + \$91,696 difference in installation. (Lights have photocells and motion sensors).</p>	<p>125%</p>
<p>100% = 1.) Identify 3 best practices, one in each of the categories: organization, standardization, and technology. 25% for each of the 3 best practices that is identified and documented. 2.) Educate Facility in Best Practice Opportunities through a lunch n' learn, presentation, etc. - 25% for hosting this session. 125% = Implement one of those and show that it produced a quantifiable SD Pays in 2014.</p>	<p>1. Technology: Shipper Connect Yard electronic system for tracking inbound rail cars with hand-held scanners and toughbooks for access in the rail yard. 2. Standardization: Acid Demand Value (ADV) testing station in the Lab. Implemented 3/21. SD Pays = \$1,365 (passed on to BP Team for them to claim). 3. Organization: Revised turbidity sampling procedure - testing in the mine now instead of waiting until the sand gets to the plant. Improved efficiencies and more quality product to ensure Power Prop spec. BP presentation on 8/13.</p>	<p>125%</p>
<p>100% - Identify and provide details for at least 2 changes to products or processes that are more environmentally responsible and produce an SD Pays. 125% = Implement and document one of those projects.</p>	<p>1. New Life-of-mine grizzly plan developed for underground that will help avoid installing a booster pump and having to increase power on existing pumps. Installing conveyors from Maiden Rock. Booster pump would have used additional 272 kwh. Conveyors use an additional 71 kwh. Energy savings = 201 kwh. SD Pays = \$144,389 (cost to install conveyor</p>	<p>125%</p>

	system vs. cost of grizzly move). 2. New dryer drum to reduce fuel consumption. Operational April 1. SD Pays = \$43,455.51 (see spreadsheet) - expense of \$240,524.63 = net SD Pays of - \$197,069.12.	
100% - Achieve a housekeeping score of 4 or higher by year end. 125% - Complete monthly housekeeping audit (12%) Complete a kaizen event (13%)	Bay City Kaizen event completed 6/5/14. Hager City Kaizen event completed 7/31/14. Audits completed Jan-Dec. Score of 4.0 achieved in December.	125%
2014 Goals	Maiden Rock	% Complete
100% - Continue the Find It-Fix It program; 15 per year = 100%; 20 per year = 125%. Also (for 100%): Safety Course & Drill: Complete one safety course and one safety drill (First aid training, Fire extinguisher training, Fire drill, Tornado Drill), with at least 50% participation in each. 3 or more courses/drills with 50% participation in each = 125%	35 out of 61 (57%) employees participated in an Emergency Response/Fire drill in April. 51 out of 61 (83%) participated in Hearing Conservation Training from 3M in May. 20 FI-FI's identified through Q3. Fire extinguisher Oct 7 & 9 with 49 out of 58 (84%) participating.	125%
100% - Coordinate and/or host SD breakfast/lunch in cooperation with local businesses or community groups to discuss and share SD practices within the community. 125% - Share highlights from meeting with other Fairmount family members via Mineral Matters or Fairmount Focus.	Minnesota DNR on May 30. SME on October 8. Information shared on all EBB's starting October 22.	125%
100% = Deliver one lunch N learn (or similar) SD message on transportation and/or Smart Growth with 25% participation. Each facility to establish baseline on railcars for their facility (car size, route and typical order size). 125% = Achieve 100% participation in the transportation message/lunch N learn. Also establish baseline geography of where everyone at the facility lives and explore opportunities for carpooling.	Transportation message delivered and geographical baseline distributed on 9/16 & 9/18 with 93% (54 out of 58) participating. All additional employees have participated as of 11/7 (100% participation).	125%
100% to maintain Zero Waste; 12% monthly database input (1% per month, must be inputted by month-end to receive credit); 13% for organizing/participating in Zero Waste and/or Recycling event.	Adopt-A-Highway Zero Waste event on April 10; collected 30 bags of recyclables and waste-to-energy material. Zero Waste maintained through entire year and monthly database input completed.	125%
100% = Workshop, course or activity around water as related to each location. Review management plan with plant managers and complete two items in the plan (if plan already completed). 125% = 50% participation in workshop, course or activity around water.	Activity: Adopt-A-River Mile cleanup events. August 12 and 14 = 28/60 participants (47% participation). October 6 = 12 participants, 3 of which were new. Total of 31/58 participants = 53% participation overall. Project 1: Installed booster pump in mudline and refined controls in the wash plant to adjust the % solids vs. water. Decreased GPM by 46. (We were running 3.6 tons per minute at 340 gpm. Now running 4.85 tpm with 294 gpm). Project 2: Build and install rain barrels to collect rain water for use in watering new landscaping areas. 10 Fruit trees near office watered weekly from two 55 gal rain barrels. Potential for: 110 gallons per week, 471 gallons per month (Warm months X 8, April - November),	125%

	3771 Gallons per year.	
100% = Increase the Paid Volunteer Time = Achieve average of 20 Hours per employee. 125% = Host Social Responsibility training.	1,179 PVT hours completed through 11/8. (Target =1,160 hours - 58 employees x 20 hours each). SR Training hosted on 7/15 and 7/17/14.	125%
100% = Complete two projects that contribute to GHG or energy consumption reduction. 125% = 25% participation from facility overall. (1 project = average of 1 large tree, at least 3-feet tall, or 10 whips per employee at the facility)	Project 1: Planted 24 plum, apple, pear trees, 10 walnut trees, 15 bushes in July with 7 employees (12%) participating. Project 2: Planted 100 red oak trees and 100 white oak trees on November 9 with 22 unique employees participating (38%). TOTAL % participation = 50%.	125%
100% = 1.) Identify 3 best practices, one in each of the categories: organization, standardization, and technology. 25% for each of the 3 best practices that is identified and documented. 2.) Educate Facility in Best Practice Opportunities through a lunch n' learn, presentation, etc. - 25% for hosting this session. 125% = Implement one of those and show that it produced a quantifiable SD Pays in 2014.	1. Organization: Restructuring of sieves and calibration process in Lab. Implemented February 1. SD Pays - \$77.92 (passed on to BP Team for them to claim). 2. Technology: Headset radios for two-way communication in the mine and plant. 3. Standardization: Acid Demand Value (ADV) testing station in the Lab. Implemented week of 10/27. SD Pays = \$52 (passed on to BP Team for them to claim). Best Practice education presented on 11/18 and 11/20.	125%
100% - Identify and provide details for at least 2 changes to products or processes that are more environmentally responsible and produce an SD Pays. 125% = Implement and document one of those projects.	1. Balance dust collection system professionally. SD Pays = \$873,433. 2. Stormwater improvement project. SD Pays = \$69,214.	125%
100% - Achieve a housekeeping score of 4 or higher by year end. 125% - Complete monthly housekeeping audit (12%) Complete a kaizen event (13%)	Kaizen event completed 5/28 - underground. Score of 4.37 achieved in September.	125%
2014 Goals	Menomonie	% Complete
100% - Continue the Find It-Fix It program; 15 per year = 100%; 20 per year = 125%. Also (for 100%): Safety Course & Drill: Complete one safety course and one safety drill (First aid training, Fire extinguisher training, Fire drill, Tornado Drill), with at least 50% participation in each. 3 or more courses/drills with 50% participation in each = 125%	27 FI-FI's submitted in 2014. Emergency response drill completed May 14 with 15 out of 29 (52%) participating. Active Shooter safety training on June 26 with 22 out of 29 (76%) participating. Fire extinguisher training on October 9 with 20 out of 25 (80%) participating.	125%
100% - Coordinate and/or host SD breakfast/lunch in cooperation with local businesses or community groups to discuss and share SD practices within the community. 125% - Share highlights from meeting with other Fairmount family members via Mineral Matters or Fairmount Focus.	Young African Leaders on June 25. Information shared on all regional EBB's starting October 6.	125%

<p>100% = Deliver one lunch N learn (or similar) SD message on transportation and/or Smart Growth with 25% participation. Each facility to establish baseline on railcars for their facility (car size, route and typical order size). 125% = Achieve 100% participation in the transportation message/lunch N learn. Also establish baseline geography of where everyone at the facility lives and explore opportunities for carpooling.</p>	<p>Transportation message - session 1 - delivered 4/23 with 16 out of 29 employees (55%). Geographical baseline established and distributed 4/23. Remaining employees participated before year-end to reach 100% participation.</p>	<p>125%</p>
<p>100% to maintain Zero Waste; 12% monthly database input (1% per month, must be inputted by month-end to receive credit); 13% for organizing/participating in Zero Waste and/or Recycling event.</p>	<p>Zero Waste event on 8/26: Adopt-A-Highway Cleanup with all waste recycled. Zero Waste maintained for entire year, and monthly database input completed.</p>	<p>125%</p>
<p>100% = Workshop, course or activity around water as related to each location. Review management plan with plant managers and complete two items in the plan (if plan already completed). 125% = 50% participation in workshop, course or activity around water.</p>	<p>July 11 - first lakeshore cleanup event held on the Lake Bank Trail with 3 participants. October 20 - Second lakeshore cleanup event held at Wakanda Park, Lakside Park, Point Comfort, and Riverside Park, with 11 new participants. 13 out of 25 employees participated overall = 52%. Project 1: Spray nozzles in the sprinkler system to water roads = 2,365,200 gallons of water saved annually. Project 2: Misting bars installed in the wash plant. We will go from 300 gallons per minute through the water cannon to 30 gallons per minute through the misting bars. Water reduction of 90%. We only need to use it when the weather is dry and the wind is blowing. This year we haven't had to use the water cannons that much due to the fact that it seemed to rain every other day.</p>	<p>125%</p>
<p>100% = Increase the Paid Volunteer Time = Achieve average of 20 Hours per employee. 125% = Host Social Responsibility training.</p>	<p>420.5 hours PVT completed as of 12/29/14. (Target = 500 hours: 25 employees x 20 hours each). SR training hosted on 7/15.</p>	<p>109%</p>
<p>100% = Complete two projects that contribute to GHG or energy consumption reduction. 125% = 25% participation from facility overall. (1 project = average of 1 large tree, at least 3-feet tall, or 10 whips per employee at the facility)</p>	<p>Irises, Salvia, Thyme, Rosemary, Impatiens, Lobelia, Lupine, and Black-Eyed Susans planted in pollinator garden to attract bees and other pollinators, with 6 employees on 4/29/14. Energy efficiency project = Godwin pump modifications (3 people participated).</p>	<p>125%</p>
<p>100% = 1.) Identify 3 best practices, one in each of the categories: organization, standardization, and technology. 25% for each of the 3 best practices that is identified and documented. 2.) Educate Facility in Best Practice Opportunities through a lunch n' learn, presentation, etc. - 25% for hosting this session. 125% = Implement one of those and show that it produced a quantifiable SD Pays in 2014.</p>	<p>1. XFR meter for lab - used to check iron content of glass sand for Cardinal, will replace current process which requires grinding of sand and use of x-ray machine, making it safer for employees. SD Pays = \$42,660 in labor saved because of time saved. (technology) 2. Relagging head pulleys - 3 head pulleys relagged instead of purchasing brand new, saving 60% of the cost of new, plus reducing incoming packaging by reusing the packaging we had available. In the past these units have been discarded and new purchased. SD Pays = \$12,300 (passed on to BP Team for them to claim) (standardization). 3. Camsizer - new</p>	<p>125%</p>

	piece of equipment that is being tested at Wedron lab which will eliminate use of rotap machines. Sieve analysis will take 3 minutes instead of 20 minutes, and there will be no maintenance or calibration required on the sieves. It's less costly, more repeatable, and more accurate (organization). Best Practice Education presented on 9/17.	
100% - Identify and provide details for at least 2 changes to products or processes that are more environmentally responsible and produce an SD Pays. 125% = Implement and document one of those projects.	1. Dustless Pebco for truck loading spout. 2. Overland Conveyor System implemented with \$44,867 SD Pays (minus \$169,459 expense = net SD Pays of -\$124,592). By utilizing the conveyor system we were able to "chase" the face of the mine back as we progressed. This eliminates the need to move the entire mine plant as often and reduces fuel consumption when the loader has a closer haul.	125%
100% - Achieve a housekeeping score of 4 or higher by year end. 125% - Complete monthly housekeeping audit (12%) Complete a kaizen event (13%)	Kaizen event = Lab. Jan = 3.81. Feb = 3.58. March = 3.81. April = 3.39. July = 3.73. Aug = 3.85. Sept. = 3.6. Oct. = 3.98. Dec. = 4.08.	122%
2014 Goals	Readfield	% Complete
100% - Implement the Find It-Fix It program; 10 per year = 100%; 15 per year = 125%. Also (for 100%): Complete one safety course or safety drill (First aid training, Fire extinguisher training, Fire drill, Tornado Drill) with at least 50% participation. 2 or more courses/drills with 50% participation in each one = 125%	14 FI-FI's submitted through Q3. 1 FI-FI submitted in Q4. 5 out of 10 people (50%) attended First Aid safety training course on 1/18/14. Emergency drill completed 4/24/14 with 9 out of 11 people (82%) participating.	125%
100% - Coordinate and/or host SD breakfast/lunch in cooperation with local businesses or community groups to discuss and share SD practices within the community. 125% - Share highlights from meeting with other Fairmount family members via Mineral Matters or Fairmount Focus.	Session held June 2 at Caledonia Town Hall with board and planning commission members. Highlights shared regionally via EBB's starting on October 7.	125%
100% = Deliver one lunch N learn (or similar) SD message on transportation and/or Smart Growth with 25% participation. Each facility to establish baseline on railcars for their facility (car size, route and typical order size). 125% = Achieve 100% participation in the transportation message/lunch N learn. Also establish baseline geography of where everyone at the facility lives and explore opportunities for carpooling.	Readfield railcars baseline established and communicated with SM Team. Transportation message presented with geographical baseline on June 2 - 100% participation.	125%
100% - Establish a baseline by April 1, 2014 (10%) Reduce monthly waste by November 1, 2014 by 50% compared to baseline established in April (90%). 125% - Update Zero Waste Database each Month (2%/month), timely updates (1%)	Baseline established = average of 5.7 yards of waste per month (average of Jan-March 2014). 50% reduction goal = 2.9 yards per month. April waste = 9.8 yards. May waste = 4.2 yards. June waste = 2.2 yards. July waste = 4 yards. August waste = 4.8 yards. September waste = 2.8 yards. October waste = 1.9 yards. November waste = 0.8 yard. Updates to	125%

	database completed monthly.	
100% = Workshop, course or activity around water as related to each location. 125% = 50% participation in workshop, course or activity around water.	Fox River Cleanup on 9/26 with 4 out of 8 (50%) participating.	125%
100% = Paid Volunteer Time = Achieve average of 8 Hours per employee. 125% = Host SR training	189.5 hours of paid volunteer time completed as of 10/22. (Target = 80 hours - 10 employees x 8 hours each). SR training presented on August 12.	125%
100% = Complete two projects that contribute to GHG or energy consumption reduction. 125% = 25% participation from facility overall. (1 project = average of 1 large tree, at least 3-feet tall, or 10 whips per employee at the facility)	Project 1. LED lights in the maintenance shop installed in the end of June = <i>11,772 kWh saved per year</i> . 2 people participated (25%) Project 2. Planted 83 large trees (80 red maple, 1 red oak, 1 white spruce, and 1 burr oak) on 10/16-10/17 with 4 people participating (50%).	125%
100% = 1.) Identify 3 best practices, one in each of the categories: organization, standardization, and technology. 25% for each of the 3 best practices that is identified and documented. 2.) Educate Facility in Best Practice Opportunities through a lunch n' learn, presentation, etc. - 25% for hosting this session. 125% = Implement one of those and show that it produced a quantifiable SD Pays in 2014.	1. Raised Stack completed March 2014 (technology). 2. Switchboard mat installed May 2014 (standardization). 3. Housekeeping (5S) procedures implemented in May 2014 (organization). 4. Rail switch slide plate lubricant (standardization). SD Pays = \$92,000 (passed onto BP Team for them to claim). Best Practice education on 9/19.	125%
100% - Identify and provide details for at least 2 changes to products or processes that are more environmentally responsible and produce an SD Pays. 125% = Implement and document one of those projects.	1. Installed idle technology in two loaders (966h and the 938h) on October 16 to save on fuel and GHG emissions. SD Pays = \$3,707 - expense of \$75 = net SD Pays of \$3,632. 2. Spray nozzles installed for dust collection on the overs stockpile, preventing further wear & tear on the machines and improving safety and health, and air quality.	125%
100% - Establish housekeeping baseline by April 1, 2014 (25%) Achieve a score of 4 or higher in housekeeping score (75%). 125% - Complete housekeeping audit each month starting April 1, 2014 (12%) Complete a kaizen event (13%)	Baseline score = 2.13. May score = 2.71. June score = 3.9. July score = 4.2. August score = 4.11. September score = 4.10. October score = 4.52. November = 4.56. Kaizen event completed in May.	124%



Adopt-A-River Mile Clean-up events took place throughout the year to clean up the shorelines of Lake Pepin and the Mississippi River



Adopt-A-Highway clean-up events throughout the year yielded many pounds of recyclables, and waste which was transported to a waste-to-energy facility



Solar-powered security lights installed in the new rail yard at the Hager City facility have photocell technology and are more energy efficient

1,432 trees and shrubs were planted by Fairmount Santrol employees in Wisconsin in 2014, to offset greenhouse gas emissions (GHG)



A safety drill conducted in cooperation with Menomonie Emergency Medical Services & the Menomonie Fire Department simulated an incident at the top of the screen tower

Current Fiscal Year Goals- 2015

2015 Goals
<p><u>Clean Water:</u></p> <p>100%: Track water usage by source and reuse. Identify and implement a water improvement project to improve efficiency from the Best Practices 2014 CW list or from outside the plant and achieve SD Pays OR host a lunch and learn in FMSA facility or in community related to water (with 15% participation). 110%: Implement two Best Practices from 2014 CW list or from elsewhere in the company and achieve SD pays; OR host a water learning event with 50% participation.</p>
<p><u>Environmentally Responsible Products & Processes (ERPP):</u></p> <p>100%: Identify two environmentally responsible improvements in products or production (or another) process that show an SD Pays. Submit at least 1 process idea to plant manager, SD Coordinator and ERPP SD team lead to consider. 110%: Implement one ERPP sustainable improvement production (or another) process or product (project must be unique to ERPP, it cannot be double counted to also meet other facility goals). Show SD Pays.</p>
<p><u>Quest for Eco-Efficiency (QEE):</u></p> <p>100%: Tree planting with 25% participation (at FMSA location or in local community) at the following rate: →100 Employees = 1000 trees; →50-100 Employees = 500 trees; →25-50 Employees = 250 trees; →<25 Employees = 100 trees. 110%: 90% employee involvement in a green thumb or energy saving project; and an implemented energy savings project.</p>
<p><u>Recover, Recycle, Reuse (3R):</u></p> <p>Current zero waste facilities must maintain zero waste to reach 75% of goal. They must hold at least 1 zero waste event (picnic, meetings, etc.) at their facility (12.5%) and must submit one project via participation in the 3R Recycling Challenge (12.5%) to reach 100% of goal. 110%: Host at least 1 zero waste SD educational event or a recycling/composting event in the community (external to FMSA).</p>
<p><u>Energy</u></p> <p>Evaluate Dryer Burner Controls to determine opportunities for improvement of energy efficiencies.</p>

Environmental Performance

We are committed to protecting and preserving the environment. Three of our Wisconsin facilities have voluntarily obtained certification through the Wildlife Habitat Council's (WHC) "Corporate Lands for Learning" and "Wildlife at Work" programs. We have agreed to strict criteria to meet Saving Birds thru Habitat's standards for certification at both our Maiden Rock and Hager City facilities. The Wildlife at Work program that we are certified in emphasizes community involvement in wildlife habitat and land conservation projects by collaborating with local teachers and students, Scout groups, 4-H groups, and other community members. The Corporate Lands for Learning program engages our employees in the experience of innovative teaching and learning techniques, and the opportunity to involve our community in our conservation efforts. Students use our habitat as an "outdoor classroom," building essential knowledge in key concepts and skills such as importance of natural resources, geological makeup of our area, and ecological considerations. We work with Scout groups to earn merit badges, and those groups assist our team in habitat establishment, management and

monitoring. Projects that were completed in 2014 include construction and installation of bird houses and bat houses, monitoring activity in those habitats, construction of stem bundle bee habitats for cavity-nesting bees, planting new pollinator gardens and enhancing existing gardens, expansion of nature trail at Menomonie with signage that identifies native species of wildlife and plants, stream monitoring activities, and species identification, among others. College students and professors have used our sites to conduct research or class studies in our habitat. All of these projects provide members of the community an opportunity to connect to the environment and learn about our role as a thoughtful steward of the environment.



Bird houses and bat houses on Fairmount Santrol sites are monitored regularly for activity



Students learn about the importance of pollinators, while building stem bundle bee habitats for cavity-nesting bees

At the Trimbelle Recreation Area, a section of the river restored with the help of Fairmount Santrol, students learn how to help prevent sedimentation and erosion



In our local restoration and mine reclamation projects, we strive to incorporate sustainable landscaping plans that include native species, storm water management ponds, pollinator gardens, and natural habitat that attract wildlife. For example, in partnering with Trout Unlimited, we helped to restore the health of Pine Creek and Trimbelle River in Pierce County, Wisconsin, in order to re-establish trout populations. We are partnering with their organization again this year to complete some work on the Kinnickinnic River, and additional maintenance on Pine Creek. Other corporate goals that focus on protecting our planet are created and implemented by our Sustainable Mobility Team; Environmentally Responsible Products and Processes (ERPP) Team; Quest for Eco-Efficiency (QEE) Team; Recover, Recycle, Reuse (3R) Team; and our Clean Water Team.

Our engineers are always working hard to help us meet and exceed our goals to reduce greenhouse gas (GHG) emissions through continual process improvement and strategic design. We track every part of our process, to find out how many kilowatts, how much diesel and dryer fuel, and how much water we are consuming. This allows us to identify ways that we can continue to decrease our consumption of valuable natural resources, and significantly lower our carbon footprint. A 39.6 kilowatt solar panel array installed in October 2011 at our Menomonie facility provides enough energy to power the entire office building, which includes the maintenance shop, lab, conference room, and six offices. We continue to track our GHG and identify ways to continuously reduce our emissions every year.

In December 2012, WISC achieved “Zero Waste to Landfill” status at its three facilities - Hager City, Maiden Rock, and Menomonie. Through comprehensive recycling and composting efforts, finding ways to reuse and reduce materials, and partnering with waste-to-energy facilities for the final step, we are proud to say that there is no waste leaving these facilities and entering a landfill.

Transportation

We work with transportation companies to ensure safe transport of our product and minimize the impact of transporting sand, on our communities. All truck drivers that we work with sign a Letter of Acknowledgement before they begin, and review it once a year. The agreement outlines policies and procedures that they must follow at all times, including: the required use of personal protective equipment, required tarps to completely cover the load before leaving our facility, cleaning trailers before being loaded, obeying speed limit signs, not permitting engine brakes, no dumping of sand on the highway, or anywhere except on Fairmount Santrol property. We take these rules seriously, and if we witness or hear of infraction by the drivers we contact the trucking company or the driver specifically to communicate the dissatisfaction. The company/driver is given a chance to rectify the situation. If we have continued issues with drivers or incidents we will temporarily suspend their partnership with us. If the infraction is serious enough, the driver and/or company will not be allowed back to work for our company. With regards to rail transportation, we clean the tops of every rail car before it leaves our facility,

and promptly remove any sand that has been spilled on the tracks.

An expansion at our Hager City facility in 2014 now enables us to use unit trains to transport our products from that facility. Consisting of 100 railcars, a unit train can keep 400 long-haul diesel trucks off the road. Ton-for-ton, rail transportation is more than three times as energy efficient as truck transport. This allows us to increase transportation and fuel efficiency while improving traffic pattern flow on highways. Across the company, we collaborate with our customers to actively track and manage our transportation and logistics network to drive efficiency – to the benefit of our customers, our communities, and the environment.

Stakeholder Involvement

We feel that it is very important to continuously communicate with our stakeholders and members of our community to maintain a great relationship with our neighbors, and minimize the impact of our operations whenever feasible. We maintain an open-door policy and encourage feedback from stakeholders and other members of the community at any time. We have given many tours of our facilities to teach people about how our business operates and answer questions they may have about our impact on the community. We publish an annual, regional Report to the Community that communicates our goals and our accomplishments, and keeps them apprised of our activities. We also publish a Corporate Social Responsibility Report, which is available online at www.fairmountsanrol.com. We voluntarily established a Community Advisory Committee and hold regular community meetings that are open to the public, to discuss any concerns that community members may have and how we can mitigate those concerns.

We are committed to serving the communities in which we operate. Our employees are encouraged to participate in at least 20 hours of paid volunteerism each year, and are involved in local projects and events such as: Adopt-A-Highway road clean-up, stream restoration projects, Adopt-A-River Mile program through the Livings Lands & Waters organization, stocking shelves at a local food pantry, hosting blood drives and donating blood, organizing a team to participate in the Relay for Life Fundraiser for the American Cancer Society, donating and planting hundreds of trees at local schools, helping restore school forests and build outdoor teaching arenas, assisting local municipalities with maintenance and projects such as snow plowing, street washing, and dock construction and installation.



In 2014, we amassed 3,945 hours of volunteer time, which provides a tangible value of over \$90,735 in labor to the local community. We also donate a percentage of our profits each year towards support of community investment and local non-profit organizations. Donations from our five operations in the Northern Area Region of Fairmount Santrol in 2014 totaled more than \$409,558.

We feel strongly about supporting education in the communities where we work and live. More than 20 different school-age groups are scheduled to tour our facilities in 2015. In addition, employees from our region organized and led two large educational field trips for eight grade students in Ellsworth and Menomonie. In May 2014, more than 135 students from Ellsworth Middle School visited our Maiden Rock facility, and nearby Pine Creek. Approximately 225 students from Menomonie Middle School visited our Menomonie mining site in November 2014. Students learned about the natural resources that we mine, the geological history of our area, the mining process, and participated in ecological activities such as stream monitoring and insect identification.



Environmental Recognition

Our efforts to be a responsible steward of the natural resources that we mine have been recognized by many organizations including the Wisconsin Sustainable Business Council, which designated

Wisconsin Industrial Sand Company as a Green Master in 2012, 2013 and 2014. The Green Master designation is the highest tier in the Green Masters program. Candidates are judged on a comprehensive range of sustainability issues from energy and natural resource use, to education outreach and purchasing. In February 2014, our Menomonie operation was recognized as Business of the Year 2013 from the Greater Menomonie Area Chamber of Commerce.

The following provides an overview of prior environmental achievements for Fairmount Santrols' operations in Wisconsin:

Year	Award	Location
Nov, 2012	Wildlife Habitat Council's "Bat Conservation Action Award of the year"	Hager/Bay
Jan, 2013	Pierce County Economic Development Corporation- Business of the Year 2012	Maiden Rock, Hager City, Bay City
May, 2013	Wisconsin Manufacturers & Commerce- Business Friend of the Environment	Menomonie, Maiden Rock, Hager City, Bay City
Jan, 2013	Wisconsin Department of Natural Resources- Green Tier	Menomonie, Maiden Rock, Hager City, Bay City
Feb, 2014	Greater Menomonie Area Chamber of Commerce - Business of the Year 2013	Menomonie
Dec, 2012, 2013 and 2014	Wisconsin Sustainable Business Council - Green Master	Menomonie, Maiden Rock, Hager City, Bay City

DNR Relationship

We have worked closely with the Wisconsin Department of Natural Resources (DNR) for many years. We work in concert with the DNR to monitor bat activity in our underground mines, in order to detect and prevent the spread of "white nose syndrome", a fungal disease which threatens to decimate large populations of bats in the United States. Our Maiden Rock mine is the second largest bat hibernacula in the state of Wisconsin, and our Bay City mine is the third largest, with more than 145,000 bats hibernating in those mines every winter. In 2011 we received an award from Secretary Frank at October's Wisconsin DNR Board Meeting, commemorating our efforts to assist the DNR's bat research. We were also recognized with the Wildlife Habitat Council's Bat Conservation Action Award of the year in November 2012.



We have also partnered with DNR and Trout Unlimited in the restoration of many local waterways, by providing heavy equipment, monetary contributions, and many hours of employee volunteer time.

In addition, we have facilitated several tours of our Wisconsin operations to DNR professionals, to help them understand how an industrial sand mining operation works, from the equipment used, to the mining process, and even sharing some of our best management practices.

We are very grateful to have the guidance of the DNR. Any time we have questions relating to new rules or regulations, the DNR professional are always helpful in clarifying these changes so that we can continue to go beyond compliance.

Conclusion

Participation in the Green Tier program has helped us to reinforce our continuous improvement programs at Fairmount Santrol, and has helped us to strengthen our ISO 14001 Certification and our Environmental Management System. We believe that our strength is fundamentally rooted in our people and the relationships we create. To build an engaging, thriving workplace, we make the environment, safety, health and wellness, and community engagement our top management priorities. Environmental stewardship is a fundamental element of the way we operate, not only because it is critical to our prosperity, but because we strongly believe it is simply the right thing to do.

Appendix A: Audit Report



5281 Clyde Park Ave, S.W.
Wyoming, MI 49509
888.891.9002 Fax 616.942.6409

MANAGEMENT SYSTEM AUDIT REPORT CONFIDENTIAL	
Organization Name:	Date(s) of Audit:
Wisconsin Industrial Sand	Aug. 25 - 28, 2014
Organization MS Mgmt. Rep(s):	Standard:
Michele Maxson (EMS) Stan Kolakowski (QMS)	ISO 14001 & ISO 9001
Type of Audit: (Check all that Apply; after each checked box indicate with standard applies)	
<input type="checkbox"/> Pre-Assessment	<input type="checkbox"/> Stage 2
<input type="checkbox"/> Transfer	<input checked="" type="checkbox"/> Surveillance
<input type="checkbox"/> Re-Certification	<input type="checkbox"/> Upgrade
Special Surveillance	
Organization Address(es): (Must include all sites audited)	Total Employees
Street Address City State Zip (Press Enter for Next Address)	(by Site):
N5628 580th Street, Menomonie, WI	26
N1464 770th St, Hager City, WI	52
W3302 Hwy 358, Maiden Rock, WI	62
Scope of Registration: (What should be on Certificate – scope can be different for each standard)	
QMS:	Processing, testing, packaging and delivery of high grade sand and gravel for industrial and specialty uses
EMS:	Processing, testing, packaging and delivery of high grade sand and gravel for industrial and specialty uses
OHSAS:	NA
Permissible Exclusions:	
QMS – 7.3 design	
Audit Recommendation	
<input type="checkbox"/> Stage 2 <input type="checkbox"/> Re-Certification <input type="checkbox"/> Transfer <input type="checkbox"/> Upgrade <input checked="" type="checkbox"/> Surveillance	
<input checked="" type="checkbox"/> Recommendation To Register or Maintain Registration Applicable Standard ISO9001 & ISO 14001	
<input type="checkbox"/> Recommendation NOT To Register or Maintain Registration Applicable Standard Choose Standard	
Follow Up Required? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Have all documented non-conformances been verified from the previous audit ?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
Comments:	
Lead Auditor (printed name):	Date:
Barton Solomon	12/15/14

AUDIT SUMMARY
Minor non-conformances (state fully):
ISO 9001:
FN1 - In sampling Corrective Action of 4/4/2014 the customer complaint corrective action for contaminated material to the customer utilizing 4 trucks to transport from the rail car. Corrective action is not effective as the "Salesforce" process for Corrective Action does not account for Correction, Analysis for cause, and Corrective Action (action to eliminate the cause). The form points to five potential causes for choice and not a cause that has a focus of the management system failure. The form only allows the use of one of the five selections. If the selection does not fit the problem the form will not allow closure. (clause 8.5.2)
FN2 - Objectives are established using KPI's for each facility and in an aggregate for all of Wisconsin Sand. Personnel are however not made aware of their relevance and importance and how they contribute to the achievement of the objectives. Each function i.e. facility location is not communicating or enabling people's awareness. (Clause 6.2.2d)
ISO 14001:
BSS-1 -- The stormwater monitoring and controls are not effective in ensuring that the stormwater pond (at Menomonie) capacity is maintained as required. (clause 4.4.6)
BSS-2 -- The controls are not effective in ensuring that contractors and construction project managers effectively communicate project progress and ensure the monitoring associated with the construction project is maintained. (clause 4.4.6)
OHSAS 18001:
NA
Major non-conformances (state fully):
ISO 9001:
None
ISO 14001:
None
OHSAS 18001:
NA
Opportunities for improvement (from form F-3001):
ISO 9001:
The KPIs are based on tons shipped, which is not in the control of the plant. Consider basing the KPIs on tons produced which is within the control of the plant. Consider migrating to using a "PPM" process scale to report instances of performance providing clearer discrimination plant to plant regarding "Customer Satisfaction". PPM reporting could also be used in other process measurements providing more finite detail of process performance. PPM = Parts Per Million
ISO 14001:
Consider changing the procedure for inspecting railcars so that the initial inspection is from the top of the car and if there is a heal observed, then nothing further is done until the plant knows what the material is; has the MSDS for the material; has the proper PPE and any necessary training for dealing with the material.



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OHSAS 18001:
NA
AUDIT PLAN DATA
Composition and qualification of audit team:
Bart Solomon RABQSA Q-01692 & A-01692 Fred Nelson
Reference checklists used:
CH-4300 & CH-4400

Shifts Audited			
Location (identify below)	Shift Scheduled Time	Date Audited (if all shifts are not audited please note your justification of why not audited.)	Time audited
#1 Menomonie, WI	7am-3pm	Aug. 25	8am-5pm
	3pm-11pm	Aug. 25	3pm-5pm
#2 Hager City, WI	7am-3pm	Aug. 27-28	8am-5pm
	3pm-11pm	Aug. 27	3pm-5pm
#3 Maiden Rock, WI	7am-3pm	Aug. 26-27	8am-5pm
	3pm-11pm	Aug. 26	3pm-5pm
1) Was the audit completed as scheduled? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If not provide details:			
2) Effectiveness of the management system: Indicate which processes in the management system are important contributor to the organization's system effectiveness: <input checked="" type="checkbox"/> Internal Audit <input checked="" type="checkbox"/> Corrective action including root cause identification and removal <input checked="" type="checkbox"/> Preventive action <input checked="" type="checkbox"/> Use of performance data and objectives to drive continuous improvement (Such as customer report cards-customer evaluations, on-time delivery, waste generated, raw materials/energy used, safety incidents, near miss accidents, etc) <input checked="" type="checkbox"/> Management review activities Comment (below) on the strong and weak points of these management system activities: The EMS is designed in accordance with the Fairmount Minerals corporate system and has been well implemented. The internal audit, corrective action, use of data and management review processes all draw on the corporate processes and have learned from the other sites. The performance data for both QMS and EMS are largely contained in the GHG and SD initiatives			
3) ISO 9001: Comment on the organization's customer focus (Such as customer evaluations-continual improvement-shipping & receiving) WISC is focused on the customer thru corporate customer service.			
4) ISO 9001: Comment on the organization's processes: which are well managed and which are not well managed? (Which processes are carefully monitored and actions taken when the process is not achieving desired results?) The processes are well managed			
5) ISO 14001: Comment on the effectiveness of the management of the environmental aspects: The environmental aspects are being well managed.			
6) OHSAS 18001: Comment on the effectiveness of the management of the hazards and risks: NA			

7) Re-Certification ISO 9001 Audit: Comment on the performance of the quality management system over the period of certification (in your comments cite the actual data reviewed):
NA
What does the data from ASR's or previous registrar's audits for the past 3 years indicate about the organization's management system performance?
What does the data from the organization's internal audits for the past 3 years indicate about the organization's management system performance?
What does the data from customer complaints and monitoring of customer satisfaction indicate about the organization's QMS performance in the eyes of the customer over the past 3 years?
What does the internal data from monitoring goals/objectives and internal processes indicate about the organization's quality system performance over the past 3 years?
8) Re-Certification ISO 14001 Audit: Comment on the performance of the environmental quality management system over the period of certification (in your comments cite the actual data reviewed):
NA
What does the data from ASR's audits or previous registrar's audits for the past 3 years indicate about the organization's environmental management system performance?
What does the organizational monitoring of performance; such as waste generated and/or consumption of raw materials, or energy indicate about the organization's EMS performance over the last 3 years?
What does the organizational monitoring of the product performance of fate of the product in the environment indicate about the organization's EMS performance over the last 3 years?
NA
Evaluate the organization's compliance with regulations over the past three years:
Compliance has been good – no NOVs and internal compliance audits look good

9) Re-Certification OHSAS 18001 Audit: Comment on the performance of the occupational health and safety management system over the period of certification (in your comments cite the actual data reviewed):
NA
What does the data from ASR's audits or pervious registrar's audits for the past 3 years indicate about the organization's occupational health and safety management system performance?
What does the organizational monitoring of performance – such as lost time, accidents, employee exposure and/or near misses indicate about the organization's OHSAS performance over the last 3 years?
What does the organizational monitoring of the product safety performance indicate about the organization's OHSAS performance over the last 3 years?
Evaluate the organization's compliance with regulations over the past 3 years:
10) Comments after follow-up audit: <input checked="" type="checkbox"/> check if not applicable

Note To Customer: Please contact ASR if you have any questions or comments about this report.

Required for all audits:	Auditor Verification: (Initials Required)
1. Review use of Registration Certificate Logo (OP-2040)	BSS
2. Review of change of policies and procedures for any revisions that may affect requirements of the standards	BSS
Required at least annually	
3. Audit customer complaints, corrective and preventive action	FN
4. Audit Internal Audits	FN
5. Review progress towards continuous improvement objectives/targets	FN & BSS
6. Audit management review	BSS & FN
7. For a list of interviewed auditees please refer to the M-5000 and appropriate audit checklist	BSS

ISO 9001 Audit Tracking Table (for multi-site registrations include a table for each location)	Audit	Stage 2 or Re-Certification	S1	S2	S3	S4	S5
					N/A for annual frequency		
Organization's processes (list below the processes identified by the organization)	Date	8/13	8/14				
Management review, Objectives & Customer satisfaction		1	0				
Internal Audits & Corrective & preventive action		0	1				
Contract review and planning		0	0				
Production		0	0				
Shipping		0	0				
Product inspection and testing (including testing and calibration)		1	0				
Awareness, training and competence		0	1				
Maintenance		0	0				
Fill in each cell in the table with the number of non-conformities raised for each system element at each audit. If an element was not audited enter 'N/A' in the cell. Suggest elements to audit at the next visit by entering an 'R' in the appropriate cell in the column for the next visit.							



American Systems
REGISTRAR
5281 Clyde Park Ave. SW, Suite 1
Wyoming, MI 49382 USA
www.asrworldwide.com
616-942-6273



American Systems Registrar, LLC, a provider of third-party system registration and accredited by the ANSI-ASQ National Accreditation Board for Registrars of Environmental Management Systems, attests that:

**WISCONSIN INDUSTRIAL SAND
A DIVISION OF FAIRMOUNT MINERALS LTD.**

**N5628 580TH ST. N1464 770TH ST. W3302 HWY. 35S.
MENOMONIE, WI 54751 HAGER CITY, WI 54014 MAIDEN ROCK, WI 54750**

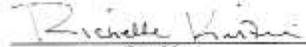
with a scope of:

**PROCESSING, TESTING, PACKAGING AND DELIVERY OF
HIGH GRADE SAND AND GRAVEL FOR INDUSTRIAL AND
SPECIALTY USES**

has established an environmental management system that conforms to the Environmental Management System Standard

ISO 14001:2004

ASR Certificate Number: 4364
Date of Certification: November 6, 2013
Date of Certification Expiration: November 5, 2016
Date of Initial Registration: December 28, 2010
Revision:


President

CERTIFICATE OF REGISTRATION

VERIFY READINESS FOR THE ON-SITE AUDIT BY EVALUATION OF THE FOLLOWING:	
<p>Total number of employees (Including temporary employees broken down by site):</p> <p>Are there any plans to add processes, equipment, building space or employees?</p> <p>Provide details and assess any potential effects on the Stage 2 audit.</p>	<p>Notes: 9 employees covering 2 shifts No plant additions in the immediate future</p>
<p>Client's QMS Documentation:</p> <p><input type="checkbox"/> Quality Policy statement meets requirements</p> <p><input type="checkbox"/> Quality Manual includes the scope of the quality management system, including justification for any exclusions</p> <p><input type="checkbox"/> Documented procedures available and meet requirements for:</p> <p style="padding-left: 20px;">Document control</p> <p style="padding-left: 20px;">Records control</p> <p style="padding-left: 20px;">Internal audit</p> <p style="padding-left: 20px;">Control of nonconforming product</p> <p style="padding-left: 20px;">Corrective action</p> <p style="padding-left: 20px;">Preventive action</p> <p><input type="checkbox"/> Quality Manual includes a description of the interaction among the processes of the quality management system</p>	<p>Notes: (List procedures and note any documentation deficiencies below)</p>
<p>QMS Process Approach: Review the processes identified by the client:</p> <p><input type="checkbox"/> Processes cover all requirements in ISO 9001</p> <p><input type="checkbox"/> Process sequence and interactions are defined and described</p> <p><input type="checkbox"/> Metrics are established for each process to monitor effectiveness</p> <p><input type="checkbox"/> Responsibility is established for each process</p> <p>Evaluate whether the client has clearly implemented the process approach.</p>	<p>Notes:</p>

<p>Quality objectives/operational performance trends. Make sure that objectives are</p> <ul style="list-style-type: none"><input type="checkbox"/> Documented with responsibility assigned<input type="checkbox"/> Measurable<input type="checkbox"/> Progress in meeting the objective is managed <p>Evaluate whether the client's implementation of the QMS objectives is ready for the Stage 2 audit.</p>	<p>Notes:</p>
<p>List the Key Manufacturing Processes</p>	

<p>Client's EMS documentation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Environmental Policy statement meets requirements <input type="checkbox"/> EMS Manual includes the scope of the environmental management system <input type="checkbox"/> Procedures are available and meet the requirements for: <ul style="list-style-type: none"> Identification and evaluation of aspects/impacts Identification of legal and other requirements Awareness and communications Document control Emergency preparedness and response Monitoring and measuring key characteristics Evaluation of compliance with legal requirements Dealing with actual/potential nonconformities Records control Internal audit 	<p>Notes: (List procedures and note any documentation deficiencies below)</p> <p>Policy is the same as all Fairmount facilities for EMS; includes scope of EMS EP-002</p> <p>The EMS manual is also the same as the other facilities in the Fairmount facilities. EMS Manual</p> <p>The regional coordinator has gone through the entire EMS documentation and reviewed for language and sensibility leaving the outcome to be much improved.</p> <p>Reviewed the graphic of the EMS system as it applies to Readfield, WI</p> <p>Asked the Plant Lead regarding the EMS Policy and replied with understanding.</p> <p>Reviewed the procedure for Control of Documents that has been updated. Much improved EP-009</p> <p>Reviewed Control of Records that has been updated. Much improved. EP014</p> <p>Reviewed Internal Audit procedure that is improved. EP015, it does however need a definition for "Preventive Action" as the procedure uses the term "OFI" #1</p> <p>Reviewed the procedure for Corrective and Preventive action, much improved. EP-013</p> <p>Has a representation of the EMS scope and their interactions</p> <p>Sampled the procedure for identification of Aspects/impacts provides clarity of identification of aspects and subsequent impacts EP-001</p> <p>Have procedure for ID of legal and other EP-003</p> <p>Reviewed Procedure for Emergency Prep and response EP-011 has a plan document for emergency drill process that are conducted twice per year SHW-004</p> <p>Awareness and communication requirements EP-008 is found to be effective</p>
--	--

<p>EMS Review the identification of aspects and determination of aspects with significant impacts</p> <p><input type="checkbox"/> Is the procedure understood in the organization?</p> <p><input type="checkbox"/> Do the aspects identified appear to cover the activities and environmental status of the site?</p> <p><input type="checkbox"/> Does the evaluation appear to follow the logic in the procedure?</p> <p><input type="checkbox"/> Is there evidence of the decision to communicate significant aspects?</p> <p>Evaluate whether the client has adequately identified environmental aspects and is ready for the Stage 2 audit.</p>	<p>Notes: (Use the CH-4300-A checklist for auditing undocumented procedures, if applicable)</p> <p>Sampled the listing of aspects and significant impacts based upon a number equal to or greater than 40. Those identified are dust control, Sand Drying, and Sand Screening.</p> <p>Those aspects identified cover the activities and environmental status of the site.</p> <p>Good logic is applied to those activities that are most hazardous to the environment.</p> <p>Evidence is found on notice boards and postings throughout the plant.</p>
<p>List the Significant Environmental Aspects:</p> <ol style="list-style-type: none"> 1. Dust control, 2. Sand Drying 3. Sand Screening 	
<p>EMS Regulatory Compliance Review the legal and other requirements identified by the organization.</p> <p><input type="checkbox"/> Does the list appear complete</p> <p><input type="checkbox"/> Does the list address federal, state and local regulations</p> <p><input type="checkbox"/> Is there a mechanism to keep up-to-date with changes</p> <p><input type="checkbox"/> Make sure that the aspects identified are consistent with the legal requirements</p>	<p>Notes: have a listing of all the regulatory for Federal, State</p> <p>Air Permitting</p> <p>Storm water</p> <p>40 CFR Part 50-61, 110, 112, 122, 136, 279, 285, 292, 323.60, 355,</p> <p>Utilize state and Federal systems on the internet that automatically update upon request of changes initiated for EMS</p> <p>Aspects are consistent with both State and Federal requirements for Air, Water and Hazardous materials.</p>
<p>List the environmental permits applicable to the site:</p> <p>See attached SRF-EF-4 3 2 Environmental Legal and Other Requirements</p>	

<p>EMS Compliance Evaluation Make sure that a compliance evaluation has been performed and that records will be available for the Stage 2 audit. Discuss the use of CH-4300 Appendix A, if the organization does not intend to make complete records available during the Stage 2</p> <p>Evaluate whether the client's EMS is capable of complying with regulations and is ready for the Stage 2 audit.</p>	<p>Notes: Compliance Eval has been conducted in April of 2014 and is available for stage 2 audit. The EMS system is capable of complying with the regulations and is ready for stage 2</p>
<p>Environmental objectives/targets Make sure that objectives are</p> <ul style="list-style-type: none"> <input type="checkbox"/> Documented with responsibility assigned <input type="checkbox"/> Measurable <input type="checkbox"/> Progress at achieving the objective is managed <p>Evaluate whether the client's implementation of the EMS objectives is ready for the Stage 2 audit.</p>	<p>Notes: Have established objectives and are measurable and targeted. Will have a new set of objectives for stage 2 All objectives for 2014 have been met.</p>
<p>OHSAS Client's documentation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> OHSAS Policy Statement meets requirements <input type="checkbox"/> OHSAS Manual includes the scope of the OHSAS management system <input type="checkbox"/> Procedures are available and meet requirements for: <ul style="list-style-type: none"> Identification of hazards and evaluation of risks Identification of legal and other requirements Awareness and communications Document control Emergency preparedness and response Monitoring and measuring OHSAS performance Dealing with incidents, accidents & nonconformities Records control Internal audit 	<p>Notes: (List procedures and note any documentation deficiencies below)</p>

<p>OHSAS hazards and risks Review the identification of hazards and determination of risks</p> <p><input type="checkbox"/> Is the procedure understood in the organization? <input type="checkbox"/> Do the hazards identified appear to cover the activities of the site? <input type="checkbox"/> Does the evaluation appear to follow the logic in the procedure?</p> <p>Evaluate whether the client has adequately identified OHSAS hazards and risks and is ready for the Stage 2 audit.</p>	<p>Notes: (Use the CH-4901 checklist for auditing undocumented procedures, if applicable)</p>
<p>List the Significant OHSAS Risks</p>	
<p>OHSAS Compliance Review the legal and other requirements identified by the organization.</p> <p><input type="checkbox"/> Does the list appear complete? <input type="checkbox"/> Does the list address federal, state and local regulations? <input type="checkbox"/> Is there a mechanism to keep up-to-date with changes?</p>	<p>Notes:</p>
<p>OHSAS Compliance Evaluation Make sure that a compliance evaluation has been performed and that records will be available for the Stage 2 audit. Discuss use of CH-4900 Appendix A, if the organization does not intend to make complete records available during the Stage 2</p> <p>Evaluate whether the client is capable of compliance to regulations and is ready for the Stage 2 audit.</p>	<p>Notes:</p>

<p>OHSAS objectives/targets Make sure that Objectives are <input type="checkbox"/> Documented with responsibility assigned <input type="checkbox"/> Measurable <input type="checkbox"/> Progress at achieving the objective is managed</p> <p>Evaluate whether the client's implementation of the OHSAS objectives is ready for the Stage 2 audit.</p>	<p>Notes:</p>
<p>QMS, EMS and OHSAS Management reviews Make sure that the client has implemented management reviews to demonstrate effectiveness of the <input type="checkbox"/> Quality management system <input checked="" type="checkbox"/> Environmental management system <input type="checkbox"/> OHSAS management system.</p> <p>Evaluate whether the management review will generally meet the requirements at the Stage 2 audit.</p>	<p>Notes:</p>
<p>QMS, EMS and OHSAS Internal audits Make sure that <input type="checkbox"/> the entire QMS has been audited <input checked="" type="checkbox"/> the entire EMS has been audited <input type="checkbox"/> the entire OHSAS has been audited <input type="checkbox"/> that corrective actions have been taken on any nonconformities written. <input type="checkbox"/> QMS audits use the process approach <input type="checkbox"/> qualification requirements are established for the internal auditors</p> <p>Evaluate whether the internal audits will generally meet the requirements at the Stage 2 audit.</p>	<p>Notes:</p>

Areas of concern which could be **nonconformities at the Stage 2 Audit** (List separately below for each standard):

ISO 9001 concerns:

ISO 14001 concerns: no concerns identified that would potentially lead to nonconformity.

Reviewed Internal Audit procedure that is improved. EP015, it does however need a definition for "Preventive Action" as the procedure uses the term "OFI"

OHSAS 18001 concerns;

REVISION F-3023

Revision No.	Revision Date	Nature of Change	Review and Approval
0	12/3/07	Original Issue	RLK